

TITLE:

An advertising-supported, Internet based, audio and video (with stereo audio) portal web site, which wirelessly sends its signals to the consumer's home stereo system and / or television set.

Patent Application of

Roy Pinney for a Utility Patent.

TITLE: AN ADVERTISING-SUPPORTED, INTERNET BASED, AUDIO AND VIDEO (WITH STEREO AUDIO) PORTAL WEB SITE, WHICH WIRELESSLY SENDS ITS SIGNALS TO THE CONSUMER'S HOME STEREO SYSTEM AND / OR TELEVISION SET.

FEDERALLY SPONSORED RESEARCH: None

CROSS-REFERENCE TO RELATED APPLICATIONS: None

BACKGROUND OF THE INVENTION—FIELD OF INVENTION

This invention relates to the distribution of commercially sponsored Internet audio and video (with stereo audio) programming. This audio and video (with stereo audio) programming is received by the consumer's home computer and wirelessly sent to the consumer's home stereo system and television set.

Background of the invention:

BACKGROUND OF THE INVENTION: PRIOR ART:

Audio and video (with stereo audio) programming has long been available to the public over the airwaves on frequencies assigned by the Federal Communication Commission, (FCC). Conventional radio and television receivers for such signals are widely available. Radio receivers typically contain a built-in antenna to receive broadcast signals within an assigned range of the transmitting source. Televisions may receive their signal via satellite, cable or through the airwaves. For broadcasting over the airwaves, the FCC grants licenses to operate within a limited geographic area. Usually, this area is defined by the strength (wattage) of the broadcasting facility.

Internet audio and video (with stereo audio) streaming overcomes several obstacles which were present in broadcasting over the airways. These obstacles include but were not limited to, geographic limitations of reception, regulations imposed by the FCC, and a small number of locally available sources. Programming choices were limited by local custom and culture.

In the past, the connection of a computer's audio and video (with stereo audio) outputs to a separate stereo system or television was accomplished by connecting the computer with a wire fitted with the necessary adapters. For audio, these adapters were a stereo mini plug on one end (plugs into computer audio output), and two phono jacks (also called RCA jacks) on the other end (plugs into stereo input). For video, they included a scan converter and appropriate wiring connections to the television. An obvious limitation of these systems was the necessity of running wires throughout the house between the various units.

Internet based audio and video (with stereo audio) programming has been available for many years; however it has not had broad mass appeal for several reasons:

1. Computer speakers and monitors are limited by wiring provided, to the immediate vicinity of the CPU (central processing unit).
2. Many adults are unaware that Internet audio and video programming exists.
3. Many adults don't know where to find and how to download the necessary software in order to hear and see Internet audio and video programming
4. Computers generally have inferior speakers and monitors.
5. Software is necessary to hear and see Internet audio and video programming.
6. Most Internet audio and video websites are poorly designed and confusing to navigate.

7. The retrieval of on-line radio sources and video sources is very complex.

OBJECTS AND ADVANTAGES;

PRIOR ART:

Audio and video programming has long been available to the public over the airwaves on frequencies assigned by the FCC. Conventional radio and television receivers for such signals are widely available. Radio receivers typically contain a built-in antenna to receive broadcast radio signals from the airwaves. Television sets are configured to receive both audio and video programming from the airways, cable or satellite.

Internet audio and video streaming overcomes several obstacles which were present in broadcasting over the airways. These obstacles include but are not limited to, geographic limitations of reception, regulations imposed by the FCC, a small number of locally available sources and programming choices which were limited by local custom and culture.

Internet based audio and video programming has been available for many years; however it has not had broad mass appeal for several reasons:

1. Computers generally have inferior speakers and monitors.
2. Computer speakers and monitors are limited by wiring provided, to the immediate vicinity of the CPU (central processing unit).
3. Many adults are unaware that Internet audio and video programming exists.
4. Many adults don't know where to find and how to download the necessary software in order to hear and see Internet audio and video programming.

5. Most Internet audio and video websites are poorly designed and confusing to navigate. The retrieval of on-line radio sources and video sources is very complex.

6. Internet audio and video streaming overcomes several obstacles which were present in broadcasting over the airways. These obstacles include but are not limited to, geographic limitations of reception, regulations imposed by the FCC, and a small number of locally available stations.

7. Programming choices were limited by local custom and culture.

Accordingly, several objects and advantages of my invention are:

My invention is an advertising-supported, Internet based, source of programming for audio and video (with stereo audio) entertainment. As a result of the invention of the Internet, local sources can now be heard world wide. Internet audio and video (with stereo audio) signals do not rely on the airwaves as their vehicle for transmission. Audio and video (with stereo audio) streaming over the Internet now permits worldwide listening and viewing ability. This will facilitate an international exchange of customs and cultures.

My invention offers the consumer unlimited reception of a vastly increased number of audio and video (with stereo audio) choices without regulation by the FCC. World wide radio listening and viewing is now available on your home stereo and television set.

My invention is a marketing program. It provides free stereo audio and video (with stereo audio) entertainment from around the world, wirelessly delivered to a home stereo system and television set. The invention includes my sponsor's (purchaser/licensee of my invention) original audio and video programming. These "infomercial" sources are designed to sell and promote the sponsor's goods and services. The audio and video (with stereo audio) may be heard and seen 24 hours a day, with quality that is virtually identical to the

consumer's local sources. My invention is specifically designed to substantially increase my sponsor's sales, as the result of embedded advertising.

OTHER OBJECTS AND ADVANTAGES ARE:

Further objects and advantages of my invention will become apparent from a consideration of the drawings and ensuing description.

SUMMARY OF THE INVENTION:

My invention is a marketing program. Using a home computer, my invention provides free video (with stereo audio) and stereo audio entertainment from sources located around the world. Another source of entertainment is the sponsor's "infomercial" audio and video programming. These "infomercial" sources are designed to sell and promote the sponsor's goods and services. My invention also provides original programming. In audio, I have created "sounds of nature" for the home. These may include "midnight rain" or "seashore" etc. These environmental sounds may be played on the consumer's home stereo system to create different moods or atmospheres. In video, I have created "the aquarium" and "the fireplace", "mountain stream" etc. These videos (with stereo audio) may also be played on the television to create different moods in the home. All of the above is wirelessly delivered to the consumer's home television set and stereo system from the Internet via the home computer. The digital audio and video quality is virtually identical to the consumer's local on-air broadcasting stations.

My application (software) has been designed to logically index audio and video (with stereo audio) sources, from around the world. It further allows the consumer an easy and convenient way for retrieval of these sources. The sponsor's advertising is presented to the consumer, (in both audio and video formats) when the consumer changes sources (example: radio stations). This advertisement is embedded in the web page. Every time the consumer clicks on a source selection, he/she must first endure an advertisement. The application will display an image and play an audio description of the product or service

being promoted. Next, the application will connect to the remote entertainment source (ex: radio station) and play the entertainment. If however, the consumer desires more information about the advertised product, he/she may click on the product's image. The consumer will then be linked to a page of information about that particular product or service, without interruption of the audio entertainment. After this page is displayed, the consumer may resume enjoying the video entertainment. The above application is designed to allow flexibility in the advertisements. Ads may be randomly rotated. They may be shorter or longer in duration and may be tailored to specific markets. For example, I can provide Spanish-speaking ads when the consumer selects a Spanish language entertainment source. I have also designed an "Advisor" sidebar with print, audio and video content. This provides the consumer with additional general information about the products and services being offered. For example; "How to set up your new stereo system".

The above application allows the advertisements to be flexible. Ads are randomly rotated. They may be shorter or longer and may be tailored to specific markets. For example, I provide Spanish-speaking ads when the consumer selects a Spanish language source.

The system is specifically designed to substantially increase the sponsor's sales. The sponsor may also choose to sell ad space to increase revenues. Potential sponsors for the inventor's System will include but are not limited to, electronic and computer manufacturers, major retailers, internet service providers, foreign corporations and governments.

SOFTWARE:

My Invention utilizes a proprietary Internet application and portal website. These provide the consumer with a large number of world-wide radio listening and video viewing choices. My service will be offered in various formats, including but not limited to

1. Subscription fee (monthly or yearly).
2. Advertising-supported and provided free to the consumer.
3. A combination of both of the above.

My Invention utilizes a proprietary software application that provides the consumer with a user-friendly system to select and retrieve world-wide programming from my portal website.

HARDWARE:

My invention utilizes the consumer's computer with a high speed connection to the Internet. The computer is comprised of a CPU electronically connected to the following: a sound card, audio circuitry, a TV-out video card with VGA to TV scan converter built in, a mouse, keyboard, modem or other device for telecommunications and an electronically coupled monitor to the computer. A scan converter enables a computer monitor's image to be viewed on a conventional television screen. The scan converter changes the computer's VGA (video graphics array) to any one of 3 main television standards used worldwide. These include (but are not limited to) NTSC (National Television Standards Committee), SECAM (Système Electronique Pour Couleur Avec Memoire) and PAL (Phase Alternating Line).

My invention utilizes a commercially available, wireless transmitter and receiver system. This sends the Internet's audio and video (with stereo audio) signals from a computer in one room, to a stereo system (audio) and /or television set (video) in another part of the house. This transmitter/receiver may operate on a frequency of (but not limited to) 2.4 GHz, 5.1 GHz, LAN (local area network), Bluetooth Technology or digital television tuner.

The proprietary Y audio/video adapter cable: Note – all cables contain positive and negative wires for each stereo channel (left and right) encased

within the cable. This would yield 4 wires for stereo purposes, however in the mini jack and mini plug, the channels share a common ground. Therefore, these plugs/jacks have only 3 wires. I designed this 6' long, 3 strand cable to connect a computer's video and audio signals to the wireless transmitter as well as the computer's own speakers. This cable allows video (with stereo audio) to be viewed simultaneously on the computer's monitor and on a remote television set. Further, it allows audio to be heard simultaneously from the computer's speakers and on a remote stereo system. The remote television and stereo system receive their signals wirelessly, eliminating the need for hard wiring throughout the house. The entire 6' long cable (containing 3 wires, one video and two audio) is enclosed in a shielded plastic casing.

Audio portion of cable: One end has a single stereo mini plug, which is inserted into the computer's stereo speaker output jack. From this mini plug, the cable branches into three wires. One wire is 5" long with a stereo mini jack at its end. This allows the computer's stereo speakers to be inserted here. The second wire splits the stereo audio signal into two (of three) strands of the 6' long cable. These two strands end in 2 mono phono jacks for audio. These are inserted into the transmitter's right and left stereo channels respectively. The transmitted signal is wirelessly sent to a receiver in another room which is attached to a stereo system. Audio can now be heard from the computer's speakers and from a stereo system in another room.

Video portion of cable: The third 6' long strand of the above cable ends in either an S-video plug or a phono plug. Either of these is inserted into the computer's TV-out video card's S-video (or phono) jack. The TV-out video card utilizes a scan converter to change VGA (video graphics array) to any one of 3 main television standards used worldwide. These include (but are not limited to) NTSC (National Television Standards Committee), SECAM (Système Electronique Pour Couleur Avec Memoire) and PAL (Phase Alternating Line). The 6' long strand's other end terminates in a phono plug that is inserted into the wireless transmitter's video input jack. The video signal is then transmitted to the

television's wireless receiver. This allows the video image (with stereo audio) to be viewed and heard simultaneously, on the computer's monitor and a remote television set.

BRIEF DESCRIPTION OF DRAWINGS:

My invention will now be described more fully, with accompanying drawings, in which preferred embodiments of the invention are shown. My invention is displayed in a various number of ways and should not be construed as limited to the embodiments set forth herein. These embodiments are provided so that this disclosure will be thorough and complete. They will fully convey the scope of my invention to those skilled in the art. Like numbers refer to like elements throughout.

Referring now to the drawings, one can readily see the various designs of my invention

Summary of the invention:

My invention is a marketing program. Using a home computer, my invention provides free video (with stereo audio) and stereo audio entertainment from sources located around the world. Another source of entertainment is the sponsor's "infomercial" audio and video programming. These "infomercial" sources are designed to sell and promote the sponsor's goods and services. Inventor's Marketing Solutions, Inc. also provides original programming. In audio, I have created "sounds of nature" for the home. These may include "midnight rain" or "seashore" etc. These environmental sounds may be played on the consumer's home stereo system to create different moods or atmospheres. In video, I have created "the aquarium" and "the fireplace", "mountain stream" etc. These videos (with stereo audio) may also be played on the television to create different moods in the home. All of the above is wirelessly delivered to the consumer's home television set and stereo system from the Internet via the home computer. The digital audio and video quality is virtually identical to the consumer's local on-air broadcasting stations.

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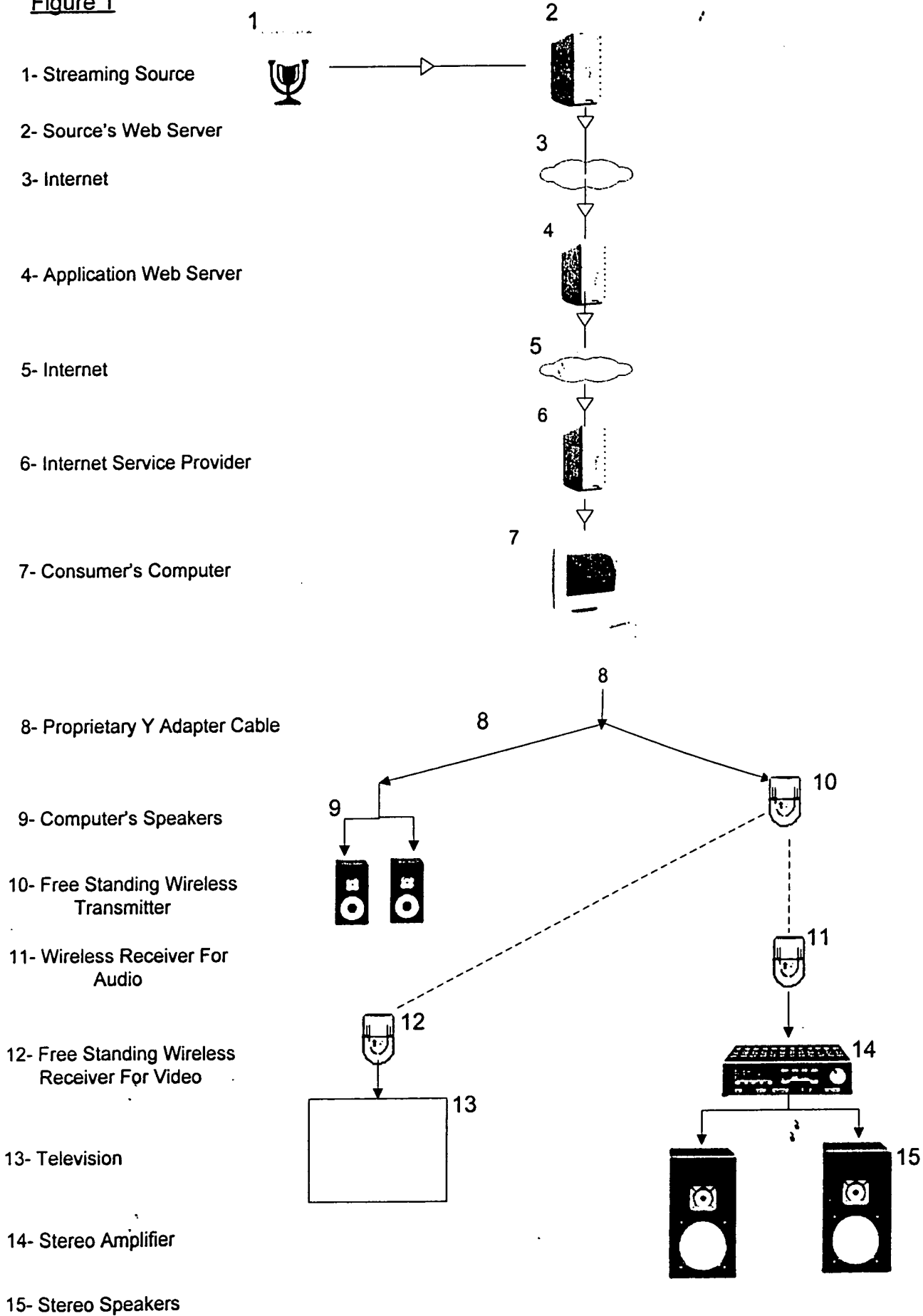
viewed simultaneously on the computer's monitor and on a remote television set. Further, it allows audio to be heard simultaneously from the computer's speakers and on a remote stereo system. The remote television and stereo system receive their signals wirelessly, eliminating the need for hard wiring throughout the house. The entire 6' long cable (containing 3 wires, one video and two audio) is enclosed in a shielded plastic casing.

Audio portion of cable: One end has a single stereo mini plug, which is inserted into the computer's stereo speaker output jack. From this mini plug, the cable branches into three wires. One wire is 5" long with a stereo mini jack at its end. This allows the computer's stereo speakers to be inserted here. The second wire splits the stereo audio signal into two (of three) strands of the 6' long cable. These two strands end in 2 mono phono jacks for audio. These are inserted into the transmitter's right and left stereo channels respectively. The transmitted signal is wirelessly sent to a receiver in another room which is attached to a stereo system. Audio can now be heard from the computer's speakers and from a stereo system in another room.

Video portion of cable: The third 6' long strand of the above cable ends in either an S-video plug or a phono plug. Either of these is inserted into the computer's TV-out video card's S-video (or phono) jack. The TV-out video card utilizes a scan converter to change VGA (video graphics array) to any one of 3 main television standards used worldwide. These include (but are not limited to) NTSC (National Television Standards Committee), SECAM (Systeme Electronique Pour Couleur Avec Memoire) and PAL (Phase Alternating Line). The 6' long strand's other end terminates in a phono plug that is inserted into the wireless transmitter's video input jack. The video signal is then transmitted to the television's wireless receiver. This allows the video image (with stereo audio) to be viewed and heard simultaneously, on the computer's monitor and a remote television set.

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Figure 1



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Fig.1 Overview: Computer has a built-in TV-out video card with scan converter and a free-standing wireless transmitter. Free-standing wireless receivers for television and stereo amplifier:

Displays the various pieces of hardware that are used to transmit the video (with stereo audio) and audio streams from the consumer's computer, and wirelessly delivered to their home television and stereo system.

Figure 1 is a flow chart that illustrates the flow (streaming) of digital video (with stereo audio) and audio information from its source, anywhere in the world. The consumer receives this digital video (with stereo audio) and audio stream via my invention to their home computer and wirelessly sent to a home television and stereo system. This is accomplished by the following steps.

- 1. Streaming Source: The broadcast is converted to streaming form, i.e. a digital format that is suitable for distribution over the Internet. The stream is transmitted from its source to the Internet via one or a combination of the following communication networks:**
- 2. Source's web server: Video (with stereo audio) and /or audio stream (webcast) uses one or more of the following, to connect the source to its Web Server: cable, fiber optics; conventional telephone lines, satellite systems and / or cellular systems. This server places the aforementioned source on the internet.**
- 3. The Internet**
- 4. Application Web server: My proprietary Internet application resides here. This indexes video (with stereo audio) and audio sources available on the Internet, into a user-friendly format, easily retrievable from my proprietary portal website.**
- 5. Internet.**
- 6. Internet service provider (ISP): provides Internet access for the consumer's computer.**

7. Consumer's computer: Connected to the Internet, by one or more of the following: a landline, cable system (i.e. cable television), fiber optics, conventional telephone lines, satellite systems and/or cellular systems.

8. The proprietary Y audio/video adapter cable: Note – all cables contain positive and negative wires for each stereo channel (left and right) encased within the cable. This would yield 4 wires for stereo purposes, however in the mini jack and mini plug, the channels share a common ground. Therefore, these plugs/jacks have only 3 wires. I designed this 6' long, 3 strand cable to connect a computer's video and audio signals to the wireless transmitter as well as the computer's own speakers. This cable allows video (with stereo audio) to be viewed simultaneously on the computer's monitor and on a remote television set. Further, it allows audio to be heard simultaneously from the computer's speakers and on a remote stereo system. The remote television and stereo system receive their signals wirelessly, eliminating the need for hard wiring throughout the house. The entire 6' long cable (containing 3 wires, one video and two audio) is enclosed in a shielded plastic casing.

Audio portion of cable: One end has a single stereo mini plug, which is inserted into the computer's stereo speaker output jack. From this mini plug, the cable branches into three wires. One wire is 5" long with a stereo mini jack at it's end. This allows the computer's stereo speakers to be inserted here. The second wire splits the stereo audio signal into two (of three) strands of the 6' long cable. These two strands end in 2 mono phono jacks for audio. These are inserted into the transmitter's right and left stereo channels respectively. The transmitted signal is wirelessly sent to a receiver in another room which is attached to a stereo system. Audio can now be heard from the computer's speakers and from a stereo system in another room.

Video portion of cable: The third 6' long strand of the above cable ends in either an S-video plug or a phono plug. Either of these is inserted into the computer's TV-out video card's S-video (or phono) jack. The TV-out video card

utilizes a scan converter to change VGA (video graphics array) to any one of 3 main television standards used worldwide. These include (but are not limited to) NTSC (National Television Standards Committee), SECAM (Systeme Electronique Pour Couleur Avec Memoire) and PAL (Phase Alternating Line). The 6' long strand's other end terminates in a phono plug that is inserted into the wireless transmitter's video input jack. The video signal is then transmitted to the television's wireless receiver. This allows the video image (with stereo audio) to be viewed and heard simultaneously, on the computer's monitor and a remote television set.

9. Computer speakers receive the streaming audio signal from the computer, via the proprietary audio Y adapter cable described in item 8.

10. Free standing wireless transmitter: provides the wireless transmission of video (with stereo audio) and audio entertainment from the computer in one room to a wireless receiver (or receivers) connected to a television set (video with stereo audio) or stereo amplifier (audio) in another room.

11. Wireless receiver for audio: this receives the stereo audio signal from the wireless transmitter. The wireless receiver is connected to an available stereo audio input of the consumer's home stereo amplifier.

12. Wireless receiver for video: This is the free standing video (with stereo audio) receiver attached to the television.

13. Consumer's television set.

14. Stereo amplifier: increases the loudness (decibels) of the stereo radio signal received.

15. Stereo speakers attached to the amplifier.

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Figure 2

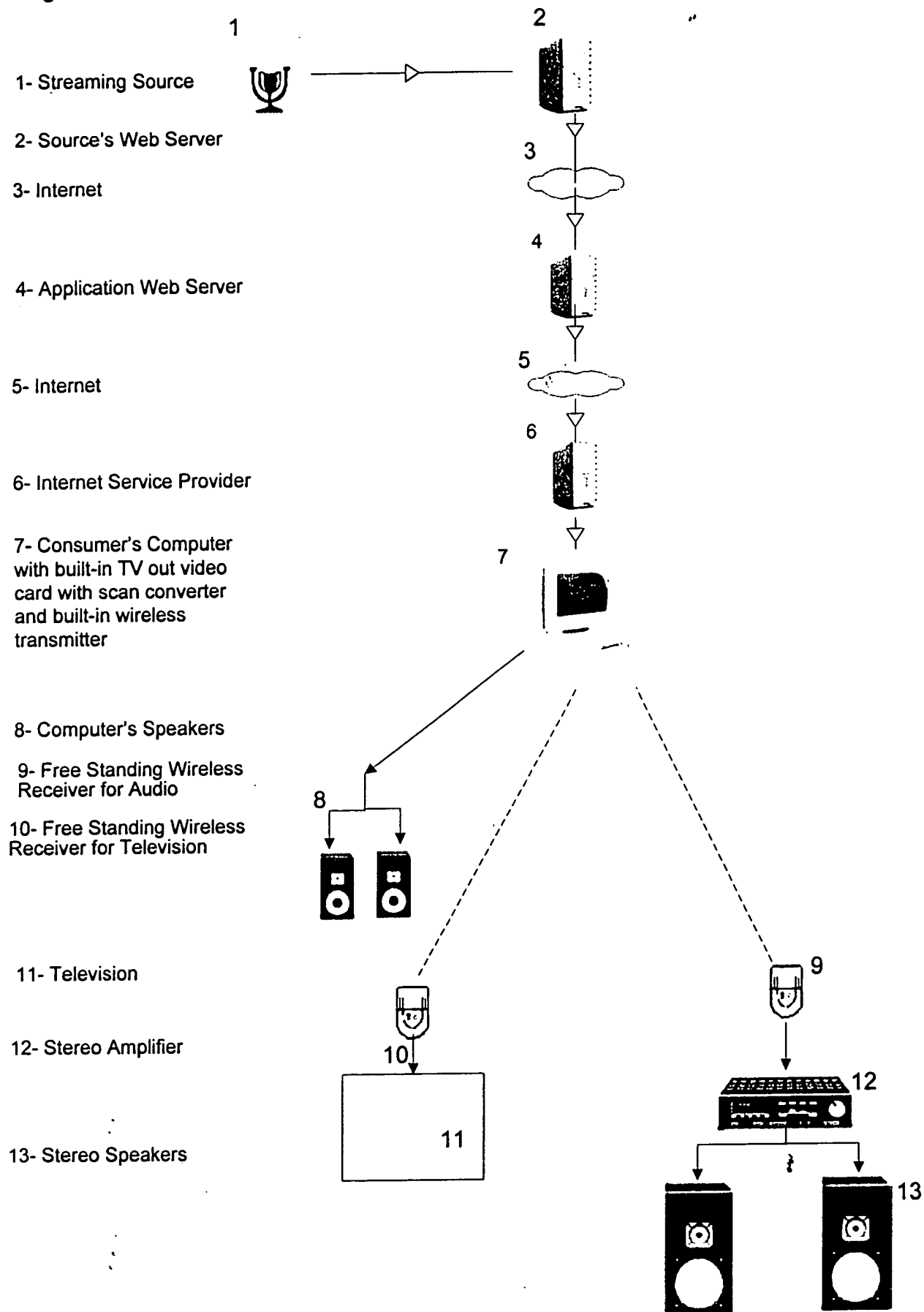


Fig.2 Overview: Computer has a built-in TV-out video card with scan converter and built-in wireless transmitter. Free-standing wireless receivers for the television and stereo amplifier. Displays the various pieces of hardware that are used to disseminate the video (with stereo audio) and audio streams from the consumer's computer, to their television and stereo system.

This flow chart illustrates the streaming of digital video (with stereo audio) and audio information, from its source, anywhere in the world. The consumer receives this digital video (with stereo audio) and audio stream via my invention to their home television and stereo system. This is accomplished by the following steps.

1. **Streaming Source:** The broadcast is converted to streaming form, i.e. a digital format that is suitable for distribution over the Internet. The stream is transmitted from its source to the Internet via one or a combination of the following communication networks:
2. **Source's web server:** Video (with stereo audio) and /or audio stream (web cast) uses one or more of the following, to connect the source to its Web Server: cable, fiber optics; conventional telephone lines, satellite systems and / or cellular systems. This server places the aforementioned source on the internet.
3. **The Internet**
4. **Application Web server:** My proprietary Internet application resides here. This indexes video (with stereo audio) and audio sources available on the Internet, into a user-friendly format, easily retrievable from my proprietary portal website.
5. **Internet.**
6. **Internet service provider (ISP):** provides Internet access for the consumer's computer.

7. Consumer's computer: Connected to the Internet, by one or more of the following: a landline, cable system (i.e. cable television), fiber optics, conventional telephone lines, satellite systems and/or cellular systems. This version of the inventor's System utilizes a TV-out video card with scan converter and wireless transmitter built into the computer's CPU case. The transmitter sends the video (with stereo audio) to a free-standing receiver attached to the television. Wireless transmitter also sends the stereo audio signal to a free-standing receiver attached to the stereo amplifier.

8. Computer's speakers attached to the computer.

9. Wireless receiver: Receives the stereo audio signal from home computer's built - in wireless transmitter. The wireless receiver is connected to an available audio input of the consumer's home stereo amplifier.

10. Free-standing wireless receiver attached to television.

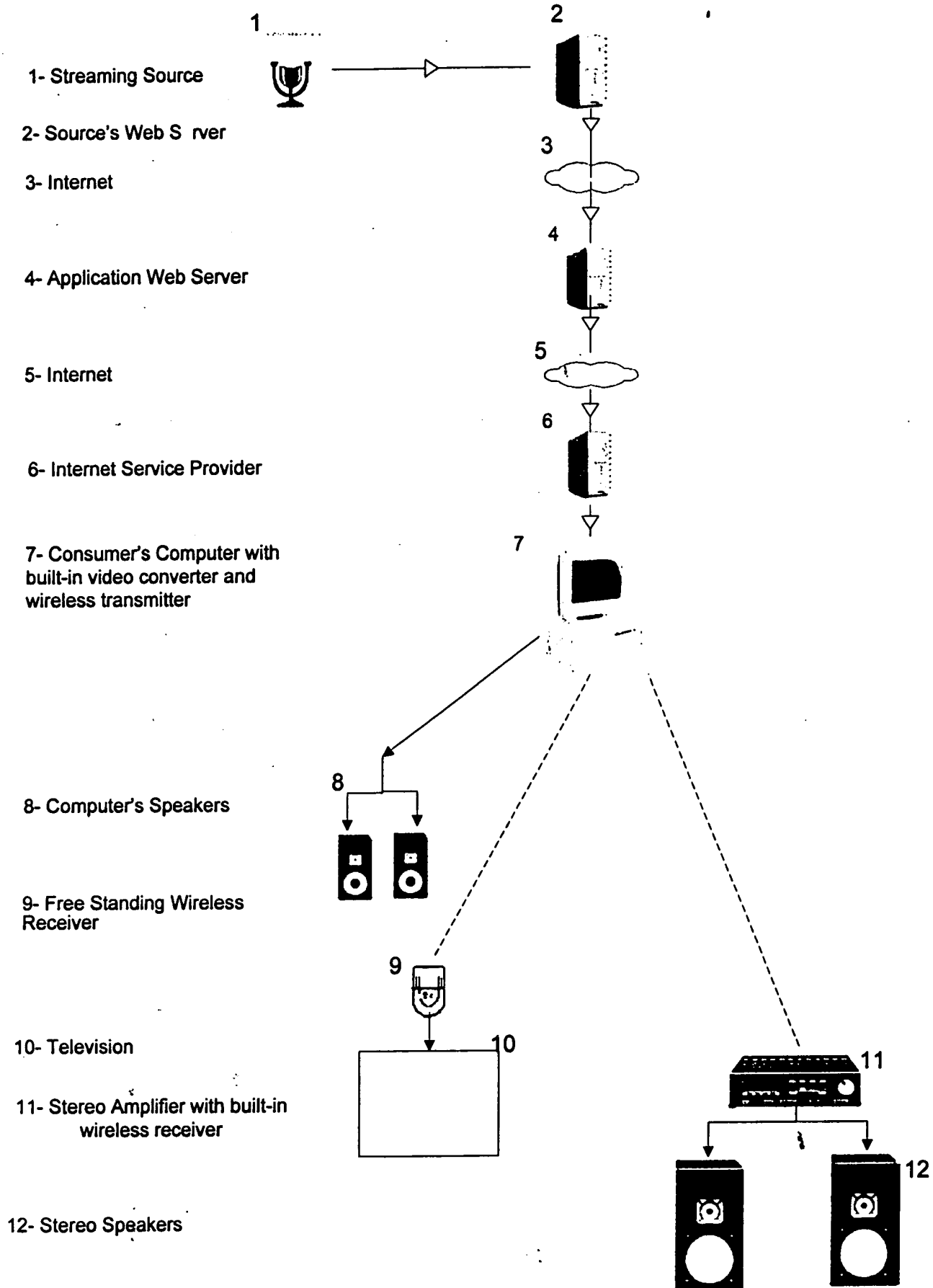
11. Television

12. Stereo amplifier: Increases the loudness of the stereo signal.

13. Speakers: Connected to the home stereo amplifier that converts electrical energy into audio vibrations that are heard by the human ear.

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Figure 3



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Fig. 3 Overview: Computer has a built-in TV-out video card with scan converter and built-in wireless transmitter. Free-standing wireless receiver for television and built-in wireless receiver for stereo amplifier.

Displays the various pieces of hardware that are used to disseminate the video (with stereo audio) and audio streams from the consumer's computer, to their television and stereo system.

Figure 3 A flow chart that illustrates the flow (streaming) of digital video (with stereo audio) and audio information from its source, anywhere in the world. The consumer receives this digital video (with stereo audio) and audio stream via my invention to their home television and stereo system. This is accomplished by the following steps.

- 1. Streaming Source: The broadcast is converted to streaming form, i.e. a digital format that is suitable for distribution over the Internet. The stream is transmitted from its source to the Internet via one or a combination of the following communication networks:**
- 2. Source's web server: Video (with stereo audio) and /or audio stream (web cast) uses one or more of the following, to connect the source to its Web Server: cable, fiber optics; conventional telephone lines, satellite systems and / or cellular systems. This server places the aforementioned source on the internet.**
- 3. The Internet**
- 4. Application Web server: My proprietary Internet application resides here. This indexes video (with stereo audio) and audio sources available on the Internet, into a user-friendly format, easily retrievable from my proprietary portal website.**
- 5. Internet.**
- 6. Internet service provider (ISP): provides Internet access for the consumer's computer.**

7. Consumer's computer: Connected to the Internet, by one or more of the following: a landline, cable system (i.e. cable television), fiber optics, conventional telephone lines, satellite systems and/or cellular systems. This version of the inventor's System utilizes a TV-out video card with scan converter and a wireless stereo transmitter built into the computer's CPU case. The transmitter sends the video (with stereo audio) signal to a free-standing wireless receiver attached to the television. The audio signal is sent from the computer's transmitter to the wireless receiver built-in to the amplifier.
8. Computer's speakers attached to the computer.
9. Free-standing wireless receiver attached to the television set.
10. Television.
11. Stereo amplifier with built-in wireless receiver: that receives the stereo audio signal from the computer's built - in wireless transmitter. Amplifier increases the loudness (decibels) of the stereo audio signal received.
12. Speakers: These are connected to the home stereo amplifier that converts electrical energy into audio vibrations that are heard by the human ear.

Fig. 4 Overview: Computer has a built-in TV-out video card with scan converter and a free-standing wireless transmitter. Television has a free-standing wireless receiver and stereo amplifier has built-in wireless receiver. Displays the various pieces of hardware that are used to disseminate the video (with stereo audio) and audio streams from the consumer's computer, to their television and stereo system.

Application of Roy Pinney for Utility Patent

Figure 4

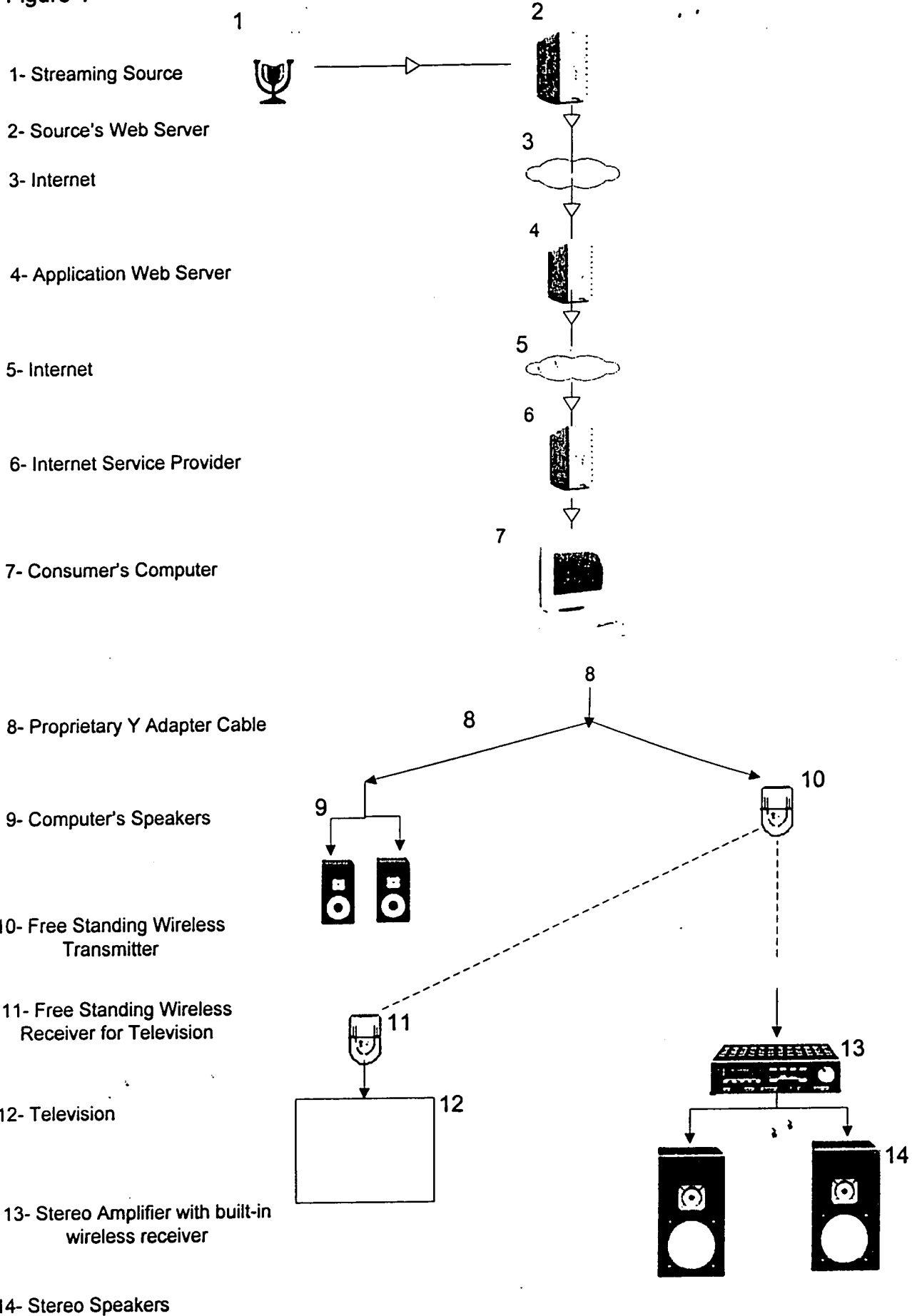


Fig. 4 Overview: Computer has a built-in TV-out video card with scan converter and a free-standing wireless transmitter. Television has a free-standing wireless receiver and stereo amplifier has built-in wireless receiver. Displays the various pieces of hardware that are used to disseminate the video (with stereo audio) and audio streams from the consumer's computer, to their television and stereo system.

Fig. 4 is a flow chart that illustrates the flow (streaming) of digital video (with stereo audio) and audio information from its source, anywhere in the world. The consumer receives this digital video (with stereo audio) and audio stream via my invention to their home television and stereo system. This is accomplished by the following steps.

1. Streaming Source: The broadcast is converted to streaming form, i.e. a digital format that is suitable for distribution over the Internet. The stream is transmitted from its source to the Internet via one or a combination of the following communication networks:
2. Source's web server: Video (with stereo audio) and /or audio stream (web cast) uses one or more of the following, to connect the source to its Web Server: cable, fiber optics; conventional telephone lines, satellite systems and / or cellular systems. This server places the aforementioned source on the internet.
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6. Internet service provider (ISP): provides Internet access for the consumer's computer.

7. Consumer's computer: Connected to the Internet, by one or more of the following: a landline, cable system (i.e. cable television), fiber optics, conventional telephone lines, satellite systems and/or cellular systems.

8. The proprietary Y audio/video adapter cable: Note – all cables contain positive and negative wires for each stereo channel (left and right) encased within the cable. This would yield 4 wires for stereo purposes, however in the mini jack and mini plug, the channels share a common ground. Therefore, these plugs/jacks have only 3 wires. I designed this 6' long, 3 strand cable to connect a computer's video and audio signals to the wireless transmitter as well as the computer's own speakers. This cable allows video (with stereo audio) to be viewed simultaneously on the computer's monitor and on a remote television set. Further, it allows audio to be heard simultaneously from the computer's speakers and on a remote stereo system. The remote television and stereo system receive their signals wirelessly, eliminating the need for hard wiring throughout the house. The entire 6' long cable (containing 3 wires, one video and two audio) is enclosed in a shielded plastic casing.

Audio portion of cable: One end has a single stereo mini plug, which is inserted into the computer's stereo speaker output jack. From this mini plug, the cable branches into three wires. One wire is 5" long with a stereo mini jack at its end. This allows the computer's stereo speakers to be inserted here. The second wire splits the stereo audio signal into two (of three) strands of the 6' long cable. These two strands end in 2 mono phono jacks for audio. These are inserted into the transmitter's right and left stereo channels respectively. The transmitted signal is wirelessly sent to a receiver in another room which is attached to a stereo system. Audio can now be heard from the computer's speakers and from a stereo system in another room.

Video portion of cable: The third 6' long strand of the above cable ends in either an S-video plug or a phono plug. Either of these is inserted into the computer's TV-out video card's S-video (or phono) jack. The TV-out video card

utilizes a scan converter to change VGA (video graphics array) to any one of 3 main television standards used worldwide. These include (but are not limited to) NTSC (National Television Standards Committee), SECAM (Systeme Electronique Pour Couleur Avec Memoire) and PAL (Phase Alternating Line). The 6' long strand's other end terminates in a phono plug that is inserted into the wireless transmitter's video input jack. The video signal is then transmitted to the television's wireless receiver. This allows the video image (with stereo audio) to be viewed and heard simultaneously, on the computer's monitor and a remote television set.

9. Computer's speakers attached by the proprietary audio Y adapter cable to the computer.

10. Free-standing wireless transmitter sends video (with stereo audio) to the television free-standing receiver and to the amplifier's built-in receiver.

11. Free-standing wireless receiver for television set.

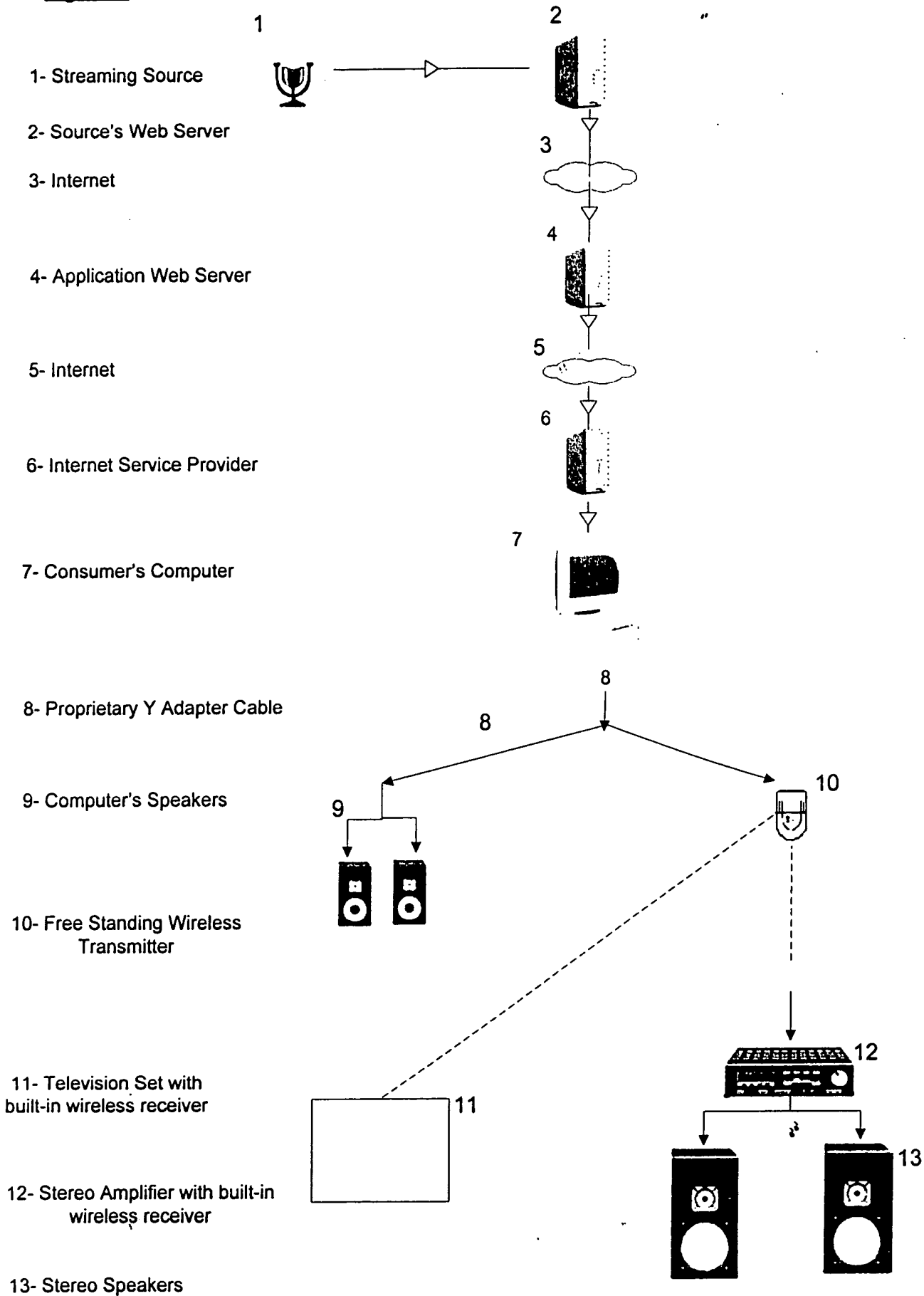
12. Television set.

13. Stereo amplifier with built-in wireless receiver: this receives the stereo audio signal from the home computer's free-standing wireless transmitter. The amplifier increases the loudness (decibels) of the stereo radio signal received.

14. Speakers: These are connected to the home stereo amplifier that converts electrical energy into audio vibrations that is heard by the human ear.

Application of Roy Pinney for Utility Patent

Figure 5



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Fig. 5. Overview: Computer has a built-in TV-out video card with scan converter and free-standing wireless transmitter. Television has a built-in wireless receiver, and stereo amplifier has a built-in wireless receiver. Displays the various pieces of hardware that are used to transmit the video (with stereo audio) and audio streams from the consumer's computer, to their television and stereo system.

Figure 5 is a flow chart that illustrates the flow (streaming) of digital video (with stereo audio) and audio information from its source, anywhere in the world. The consumer receives this digital video (with stereo audio) and audio stream via my invention to their home television and stereo system. This is accomplished by the following steps.

1. Streaming Source: The broadcast is converted to streaming form, i.e. a digital format that is suitable for distribution over the Internet. The stream is transmitted from its source to the Internet via one or a combination of the following communication networks:
2. Source's web server: Video (with stereo audio) and /or audio stream (web cast) uses one or more of the following, to connect the source to its Web Server: cable, fiber optics; conventional telephone lines, satellite systems and / or cellular systems. This server places the aforementioned source on the internet.
3. The Internet
4. Application Web server: My proprietary Internet application resides here. This indexes video (with stereo audio) and audio sources available on the Internet, into a user-friendly format, easily retrievable from my proprietary portal website.
5. Internet.
6. Internet service provider (ISP): provides Internet access for the consumer's computer.

7. Consumer's computer: Connected to the Internet, by one or more of the following: a landline, cable system (i.e. cable television), fiber optics, conventional telephone lines, satellite systems and/or cellular systems.

8. The proprietary Y audio/video adapter cable: Note – all cables contain positive and negative wires for each stereo channel (left and right) encased within the cable. This would yield 4 wires for stereo purposes, however in the mini jack and mini plug, the channels share a common ground. Therefore, these plugs/jacks have only 3 wires. I designed this 6' long, 3 strand cable to connect a computer's video and audio signals to the wireless transmitter as well as the computer's own speakers. This cable allows video (with stereo audio) to be viewed simultaneously on the computer's monitor and on a remote television set. Further, it allows audio to be heard simultaneously from the computer's speakers and on a remote stereo system. The remote television and stereo system receive their signals wirelessly, eliminating the need for hard wiring throughout the house. The entire 6' long cable (containing 3 wires, one video and two audio) is enclosed in a shielded plastic casing.

Audio portion of cable: One end has a single stereo mini plug, which is inserted into the computer's stereo speaker output jack. From this mini plug, the cable branches into three wires. One wire is 5" long with a stereo mini jack at its end. This allows the computer's stereo speakers to be inserted here. The second wire splits the stereo audio signal into two (of three) strands of the 6' long cable. These two strands end in 2 mono phono jacks for audio. These are inserted into the transmitter's right and left stereo channels respectively. The transmitted signal is wirelessly sent to a receiver in another room which is attached to a stereo system. Audio can now be heard from the computer's speakers and from a stereo system in another room.

Video portion of cable: The third 6' long strand of the above cable ends in either an S-video plug or a phono plug. Either of these is inserted into the computer's TV-out video card's S-video (or phono) jack. The TV-out video card

utilizes a scan converter to change VGA (video graphics array) to any one of 3 main television standards used worldwide. These include (but are not limited to) NTSC (National Television Standards Committee), SECAM (Systeme Electronique Pour Couleur Avec Memoire) and PAL (Phase Alternating Line). The 6' long strand's other end terminates in a phono plug that is inserted into the wireless transmitter's video input jack. The video signal is then transmitted to the television's wireless receiver. This allows the video image (with stereo audio) to be viewed and heard simultaneously, on the computer's monitor and a remote television set.

9. Computer speakers receive the streaming audio signal from the computer via the proprietary audio Y adapter cable.

10. Free-standing wireless transmitter sends video (with stereo audio) to the television's built-in wireless receiver and to the amplifier's built-in receiver

11. Television set with built-in wireless receiver.

12. Amplifier with built-in wireless receiver.

13. Stereo speakers attached to the amplifier.

Application of Roy Pinney for Utility Patent

Figure 6

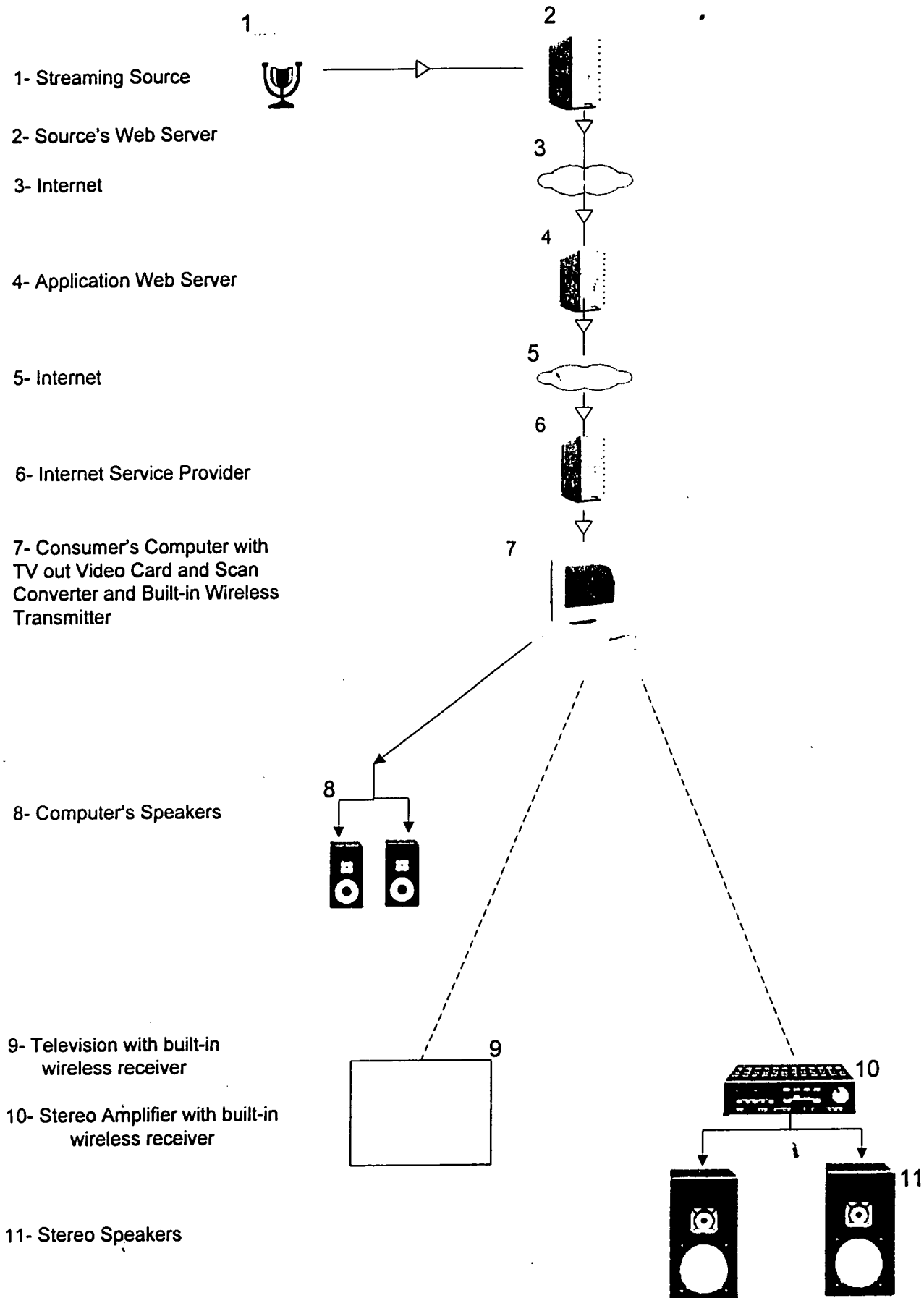


Fig. 6 is a flow chart that illustrates the flow (streaming) of digital video (with stereo audio) and audio information from its source, anywhere in the world. The consumer receives this digital video (with stereo audio) and audio stream via my invention to their home television and stereo system. This is accomplished by the following steps.

1. Streaming Source: The broadcast is converted to streaming form, i.e. a digital format that is suitable for distribution over the Internet. The stream is transmitted from its source to the Internet via one or a combination of the following communication networks:
2. Source's web server: Video (with stereo audio) and /or audio stream (web cast) uses one or more of the following, to connect the source to its Web Server: cable, fiber optics; conventional telephone lines, satellite systems and / or cellular systems. This server places the aforementioned source on the internet.
3. The Internet
4. Application Web server: My proprietary Internet application resides here. This indexes video (with stereo audio) and audio sources available on the Internet, into a user-friendly format, easily retrievable from my proprietary portal website.
5. Internet.
6. Internet service provider (ISP): provides Internet access for the consumer's computer.
7. Consumer's computer: Connected to the Internet, by one or more of the following: a landline, cable system (i.e. cable television), fiber optics, conventional telephone lines, satellite systems and/or cellular systems. Computer has a built-in TV-out video card with a scan converter and a built-in wireless transmitter.
8. Computer's speakers attached to the computer.

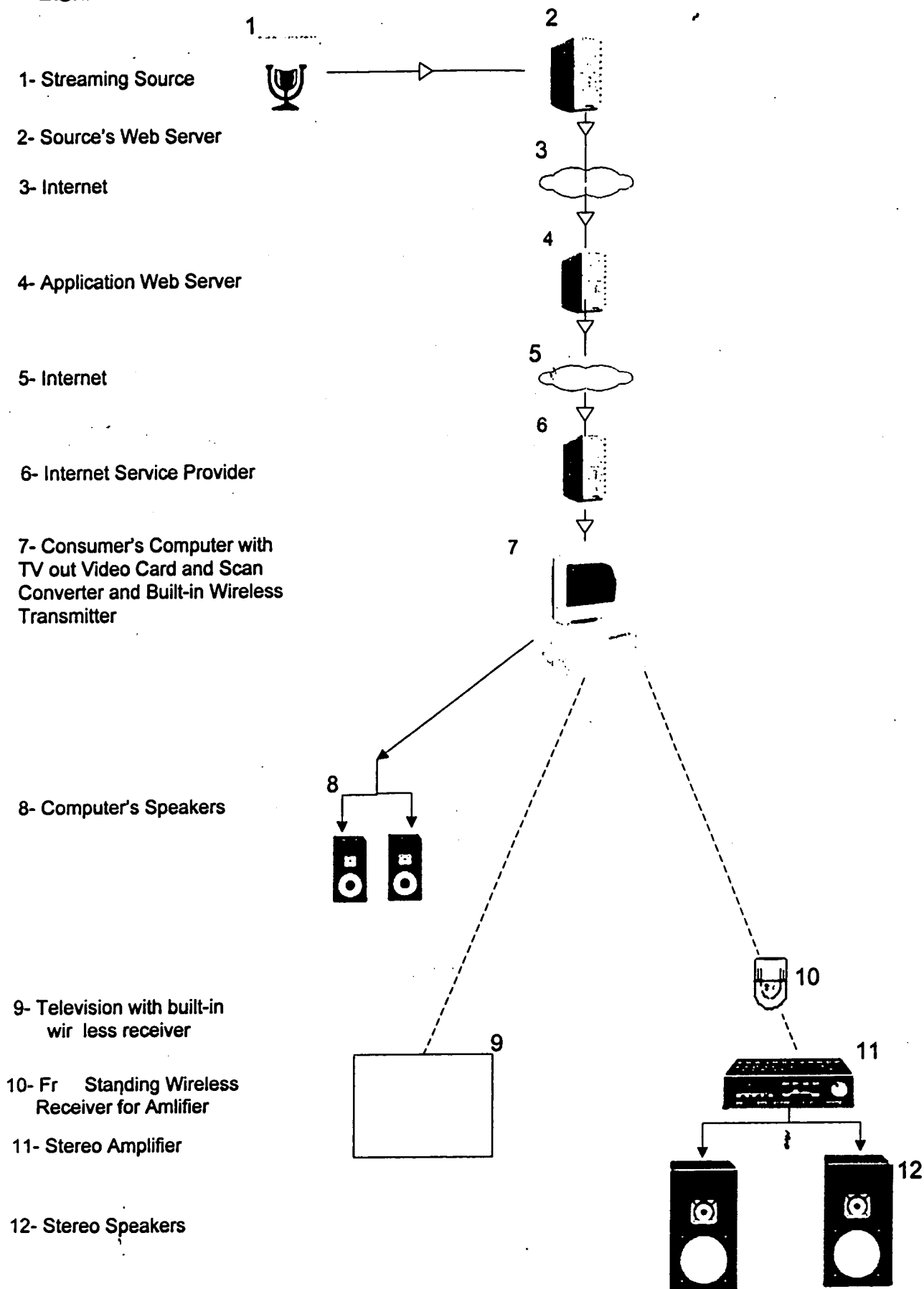
9. Television set with built-in wireless receiver.

10. Amplifier with built-in wireless receiver.

11. Stereo speakers attached to the amplifier.

Application of Roy Pinney for Utility Patent

Figure 7



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Fig.7. Overview: Computer has a built-in TV-out video card with scan converter and a built-in wireless transmitter. Television has a built-in wireless receiver and stereo amplifier has a free-standing wireless receiver. Displays the various pieces of hardware that are used to transmit the video (with stereo audio) and audio streams from the consumer's computer, to their television and stereo system.

Figure7 is a flow chart that illustrates the flow (streaming) of digital video (with stereo audio) and audio information from its source, anywhere in the world. The consumer receives this digital video (with stereo audio) and audio stream via my invention to their home television and stereo system. This is accomplished by the following steps.

- 1. Streaming Source: The broadcast is converted to streaming form, i.e. a digital format that is suitable for distribution over the Internet. The stream is transmitted from its source to the Internet via one or a combination of the following communication networks:**
- 2. Source's web server: Video (with stereo audio) and /or audio stream (web cast) uses one or more of the following, to connect the source to its Web Server: cable, fiber optics; conventional telephone lines, satellite systems and / or cellular systems. This server places the aforementioned source on the internet.**
- 3. The Internet**
- 4. Application Web server: My proprietary Internet application resides here. This indexes video (with stereo audio) and audio sources available on the Internet, into a user-friendly format, easily retrievable from my proprietary portal website.**
- 5. Internet.**
- 6. Internet service provider (ISP): provides Internet access for the consumer's computer.**

7. Consumer's computer: Connected to the Internet, by one or more of the following: a landline, cable system (i.e. cable television), fiber optics, conventional telephone lines, satellite systems and/or cellular systems. Computer has a built-in TV-out video card with a scan converter and a built-in wireless transmitter.
8. Computer's speakers attached directly to the computer.
9. Television set with built-in wireless receiver.
10. Free-standing wireless receiver attached to the stereo amplifier.
11. Stereo amplifier.
- 12 Stereo speakers attached to the stereo amplifier.

Proprietary Y Adapter Cable

Figure 8

- 1- Stereo Mini Plug (Audio)
- 2- Five Inch Positive Wire, Left Audio Channel
- 3- Five Inch Ground Wire
- 4- Five Inch Positive Wire, Right Audio Channel
- 5- Encasement of the Above Wires
- 6- Stereo Mini Jack (Audio)
- 7- Six Foot Cable, Left Audio Channel, Positive Wire
- 8- Six Foot Cable, Left Audio Channel, Ground Wire
- 9- Six Foot Cable, Right Audio Channel, Positive Wire
- 10- Six Foot Cable, Right Audio Channel, Ground Wire
- 11- Mono Phono Plug, Left Audio Channel
- 12- Mono Phono Plug, Right Audio Channel
- 13- S-Video Plug For Video
OR
- 14- Mono Phono Plug For Video
- 15- Six Foot Cable, Positive Wire For Video
- 16- Six Foot Cable, Ground Wire For Video
- 17- Encasement For Above Wires
- 18- Mono Phono Plug For Video

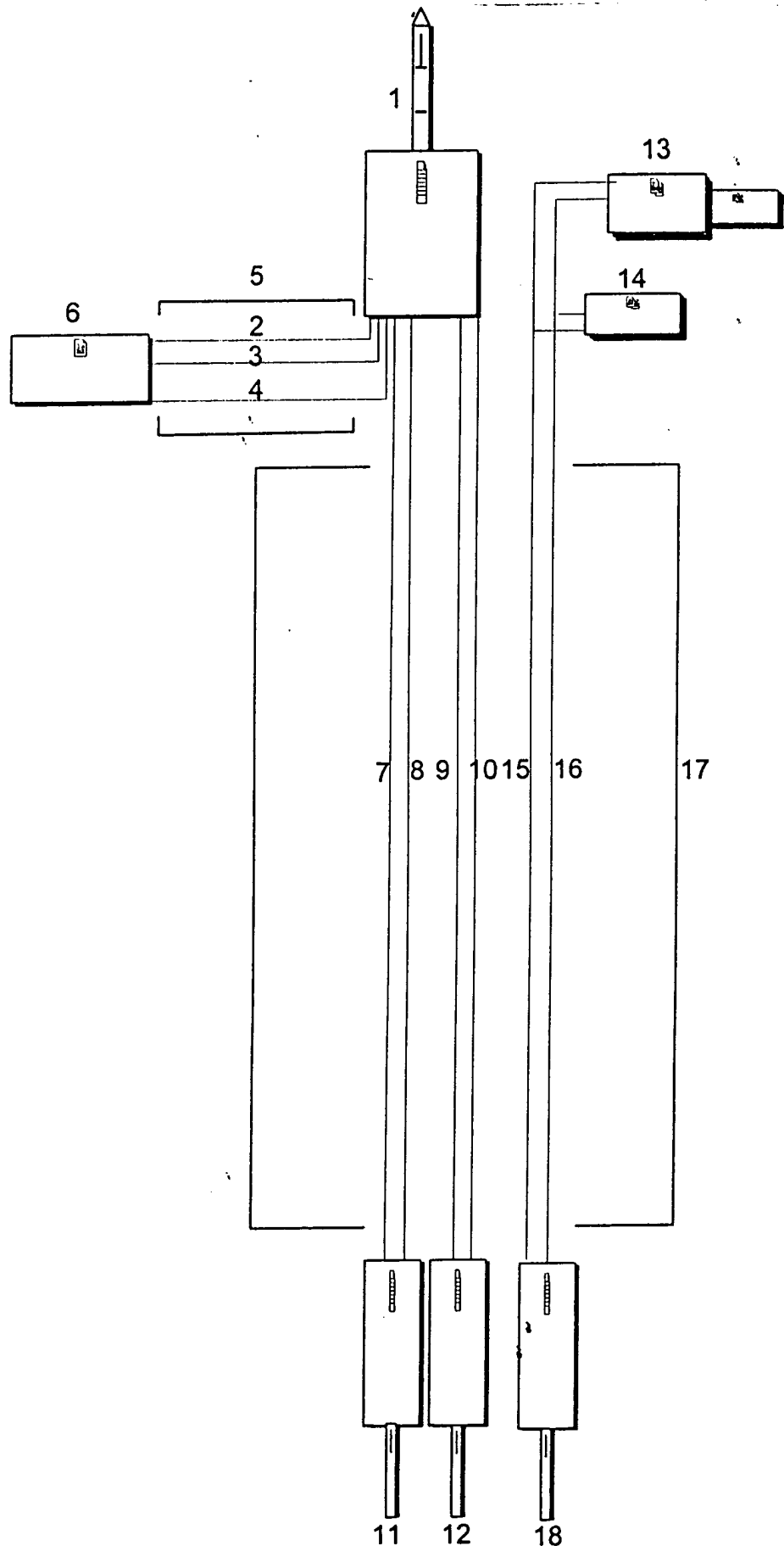


Fig.8 Overview: Proprietary Y Adapter Cable: This is my invention, which permits the simultaneous enjoyment of a computer's speakers and monitor with a home TV and stereo system.

Fig.8 The proprietary Y audio/video adapter cable: Note – all cables contain positive and negative wires for each stereo channel (left and right) encased within the cable. This would yield 4 wires for stereo purposes, however in the mini jack and mini plug, the channels share a common ground. Therefore, these plugs/jacks have only 3 wires. I designed this 6' long, 3 strand cable to connect a computer's video and audio signals to the wireless transmitter as well as the computer's own speakers. This cable allows video (with stereo audio) to be viewed simultaneously on the computer's monitor and on a remote television set. Further, it allows audio to be heard simultaneously from the computer's speakers and on a remote stereo system. The remote television and stereo system receive their signals wirelessly, eliminating the need for hard wiring throughout the house. The entire 6' long cable (containing 3 wires, one video and two audio) is enclosed in a shielded plastic casing.

Audio portion of cable: One end has a single stereo mini plug, which is inserted into the computer's stereo speaker output jack. From this mini plug, the cable branches into three wires. One wire is 5" long with a stereo mini jack at its end. This allows the computer's stereo speakers to be inserted here. The second wire splits the stereo audio signal into two (of three) strands of the 6' long cable. These two strands end in 2 mono phono jacks for audio. These are inserted into the transmitter's right and left stereo channels respectively. The transmitted signal is wirelessly sent to a receiver in another room which is attached to a stereo system. Audio can now be heard from the computer's speakers and from a stereo system in another room.

Video portion of cable: The third 6' long strand of the above cable ends in either an S-video plug or a phono plug. Either of these is inserted into the computer's TV-out video card's S-video (or phono) jack. The TV-out video card

utilizes a scan converter to change VGA (video graphics array) to any one of 3 main television standards used worldwide. These include (but are not limited to) NTSC (National Television Standards Committee), SECAM (System Electronique Pour Couleur Avec Memoire) and PAL (Phase Alternating Line). The 6' long strand's other end terminates in a phono plug that is inserted into the wireless transmitter's video input jack. The video signal is then transmitted to the television's wireless receiver. This allows the video image (with stereo audio) to be viewed and heard simultaneously, on the computer's monitor and a remote television set.

1. Stereo mini plug.
2. Five inch positive wire left audio channel.
3. Five inch ground wire.
4. Five inch positive wire, right audio channel.
5. Encasement of the above wires.
6. Stereo mini jack for audio.
7. Six foot cable left audio channel, positive wire
8. Six foot cable left audio channel, ground wire.
9. Six foot cable, right audio channel, positive wire.
10. Six foot cable, right audio channel, ground wire.
11. Mono phono plug left audio channel.
12. Mono phono plug, right audio channel.
13. S-video plug for video.

14. Mono phono plug for video.
15. Six foot cable, positive wire for video.
16. Six foot cable, ground wire for video.
17. Encasement for above wires.
18. Mono phono plug for video.

Admin Control Panel Page

Figure 9

1- Login Page

2-Main Page
Administration Panel

2a-Add a New Station

2b-List All Stations

1. Delete
2. Activate
3. Inactivate

2c- Add New Country

2d-Add New State

2e- Add New Province

2f- Add New Banner

2g- List All Banners

1. Delete
2. Activate
3. Inactivate
4. Show the banner

2h- Configuration/
Preferences Page

2i- Modify Admin Info

3- Database

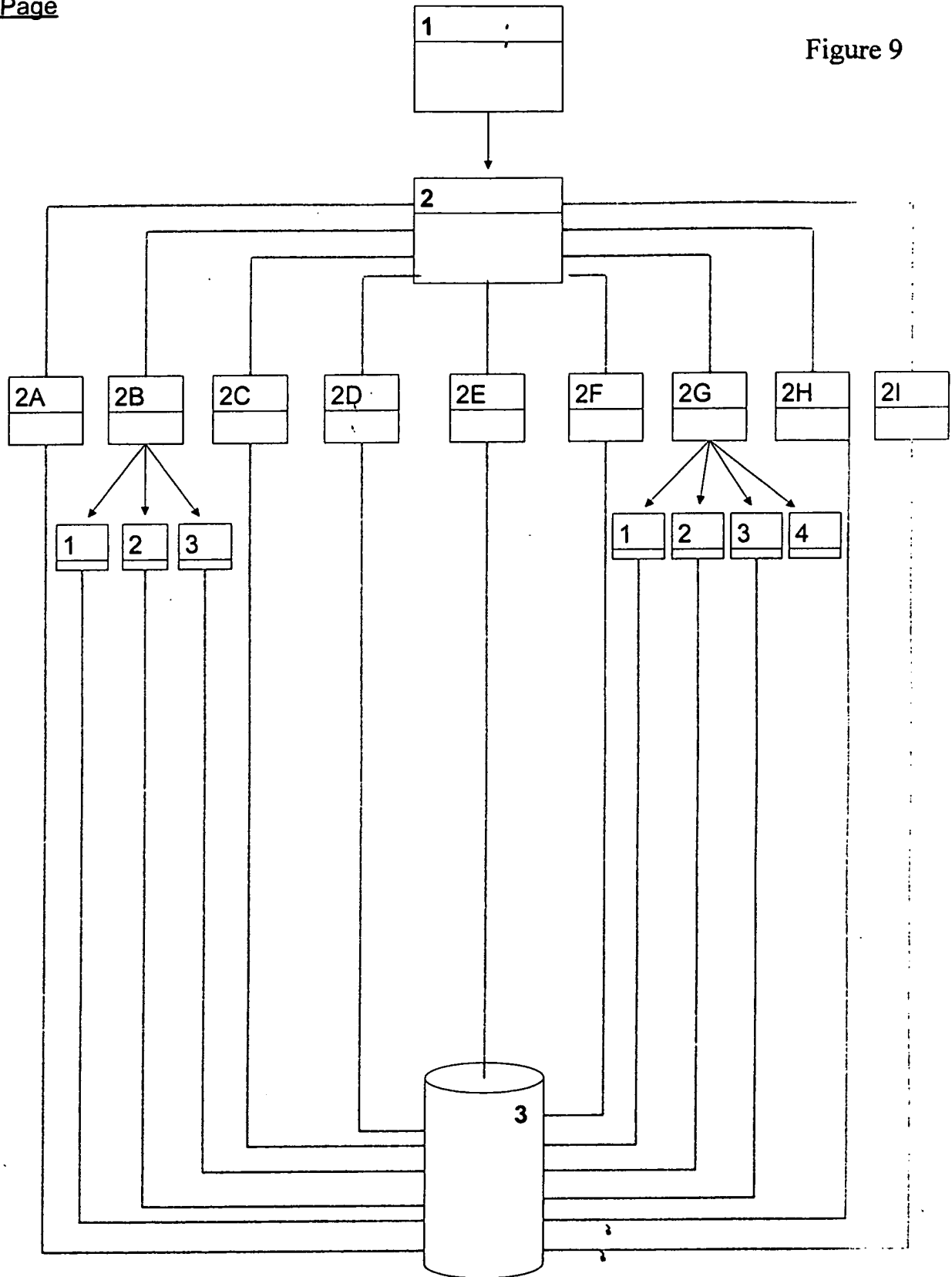


Fig.9 Overview: Admin. Control Panel Page. Regulates the operation of my invention's portal website.

Fig.9 Functions of the Internet Application for Administration Control

1. Login page: Login to Admin Panel provides for login name and password.
2. Main page: Administration Panel provides for the following functions: Add a new source, list all sources, add a new country, add a new state, add a new province, add a new banner, list all banners, configuration/preference page, modify admin information.
 - 2a. Add a new station page: Requires the following information: Name, information, country, state, province, zip code, call signs, modulation, frequency, format, language, player type, web site (URL), streaming address (URL), status, and two buttons- one for clear, one for submit form.
 - 2b. List all sources- functions: delete, activate, inactivate, select all. Search panel requires name, call sign, information, and search in frequency, search in zip code, search in web address, search in streaming link, search in ID numbers, country, states, province, modulation, format, language, player type, status, and sort by any fields.
 - 2c. Add a new country- requires form to be filled out showing new country and short form, confirmation button.
 - 2d Add a new state-requires form to be filled out showing new state, short form, country, confirmation button.
 - 2e. Add a new province-requires form to be filled out showing new province, new state, new country, confirmation button.

2f. Add a new banner-Banner info required is name, description, image file path for uploading, audio file path for Media Player or Real Player (uploaded), address of target page, limit number of views, status, and confirmation button.

2g. List all banners-functions: delete, activate, inactivate, select all. Search by the following: name, image name, and description, target link, stream address for Real Player and Media Player, total number of views, view limit, sort by, status, and search for, confirmation button.

2h. Configuration/preference page-Change configuration by the following ways: Mode of banner system, default banner ID number, image root, stream root, number of results per page in banner listing, number of page links in banner listing, results per page in source listing, number of page links in source listing, confirmation button.

2i. Modify administration information- Change password, insert old password, new password (entered twice) confirmation button.

3. Database- Connected to all of the aforementioned pages.

Internet Application (Front End)

Figure 10

1- Intro Page

2-Main Page

3- Advanced Search
Link

4-Advanced Search
Page

5- Basic Search DB
Connection

6-Advanced Search
DB connection

7- Database

8- Database- Search
result output page
connection (for basic
search and
advanced search)

9- Results Pages.

10- Output page DB
connection

11- Output page
Player Connection

12- DB player
connection

13- Player Page

14- My Favorites
Page

15- External page
(station's page)

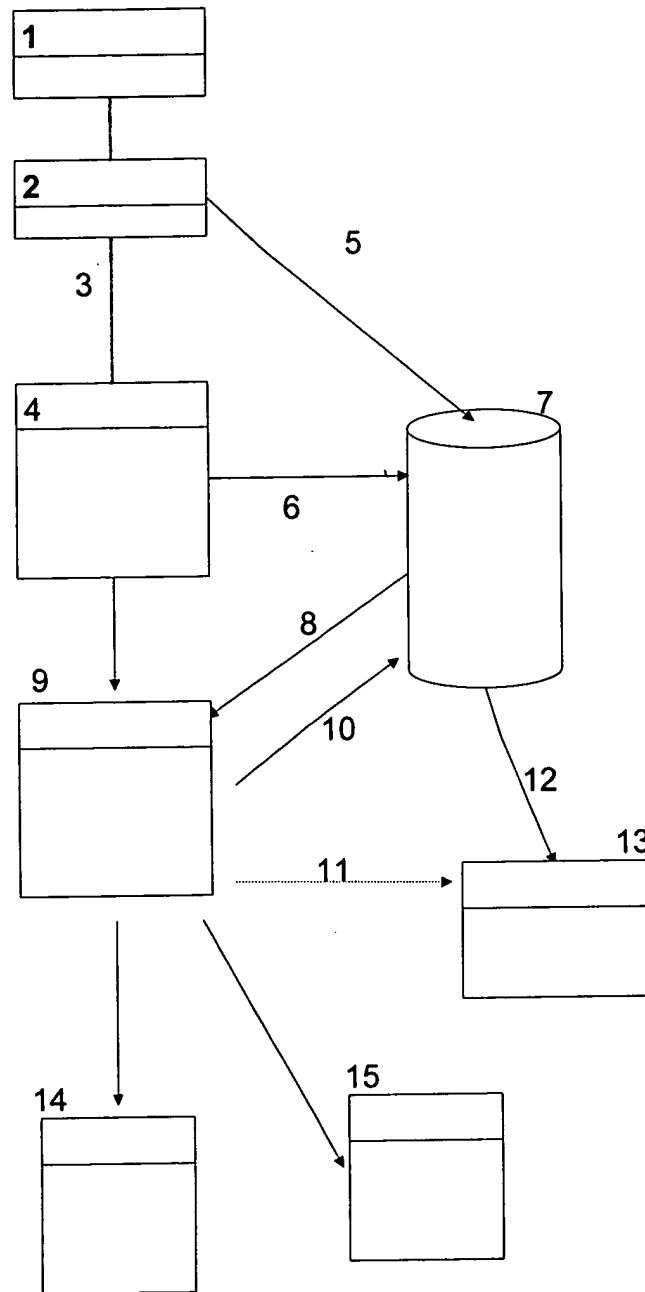


Fig. 10 Functions of the Internet Application for consumer's use (interface).

- 1. First page- Sponsor's video clip introduction.**
- 2. Main page-Provides basic and advanced search links, as well as direct links to countries, formats etc.**
- 3. Advanced search link- Goes to advanced search page.**
- 4. Advanced search page-Offers detailed search by country, format, language etc.**
- 5. Basic search database connection-Provides search results based on selection of country, format, language etc.**
- 6. Advanced search database connection- Provides advanced search results.**
- 7. Database- Contains all data regarding my website's sources of information.**
- 8. Database search result output page.**
- 9. Results page-Contains search results.**
- 10. Output page database connection- receives the audio/video from remote sources after the ads are played from the database.**
- 11. Output page player connection-Connects to the embedded player page.**
- 12. Database player connection-Connects database to player page to play ads and the selected remote sources.**
- 13. Player page-Produces the ads for display and plays the selected remote sources.**
- 14. My favorite's page.**
- 15. External page (radio stations page).**